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APPLICANT:

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TITLE

FLAVONE AND NAPHTHALENE

DERIVATIVE

HO R_2 R_3 R_3 R_3

ABSTRACT:

PROBLEM TO BE SOLVED: To obtain the subject derivative useful as an estrogenic agent for preventing and treating diseases such as menopausal disorders, prostatic

cancer and prostatomegaly.

SOLUTION: This new derivative is a flavone or naphthalene derivative shown by the

formula (R¹ is OH or H; R² is a nonsubstituted 1-6C alkyl or

nonsubstituted 2-6C alkenyl having one double bond; R3 is H or a

nonsubstituted 1-4C alkyl; R⁴ and R⁵ are each H or a nonsubstituted 1-4C alkyl; R⁶ is OH, a halogen or nonsubstituted 1-4C alkyl; X

is O or methylene; bond bearing ...mark is a single or double bond), e.g.

5,7-dihydroxy-2-(4-hydroxy-3- methoxyphenyl)-8-(3-methyl-2-butenyl)-4-chromanone.

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